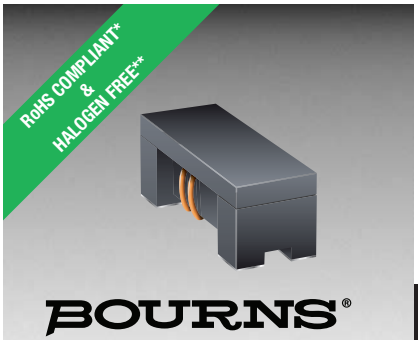


Features

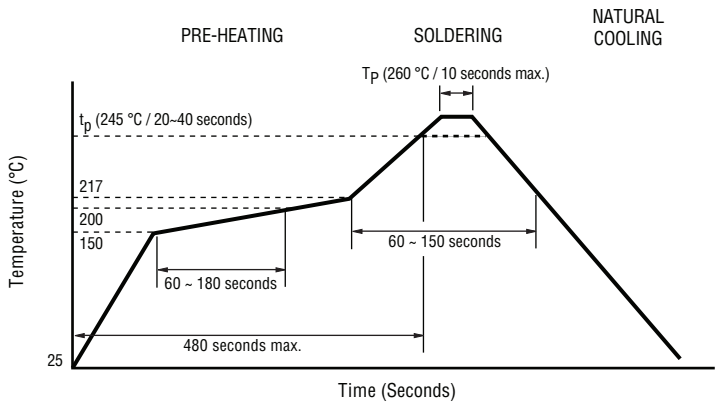
- Shielded construction – low radiation
- Bifilar wound
- Use with Chip LAN transformers SM453229-231N7Y and SM453229-381N7Y
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

SRF2012A-801Y – Common Mode Chip Inductor

Electrical Specifications at 25 °C

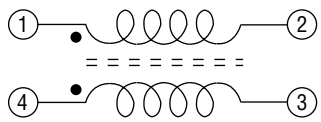
Part Number	Impedance @ 100 MHz / 1 V (Ω)	Impedance @ 100 MHz / 1 V Tolerance (%)	Rated Voltage (VDC) Max.	Withstand Voltage (VDC) Max.	Insulation Resistance (Ω) Min.	DCR Max. (Ω)	Irms (mA)
SRF2012A-801Y	800	± 25	50	125	10 M	0.88	300

Soldering Profile

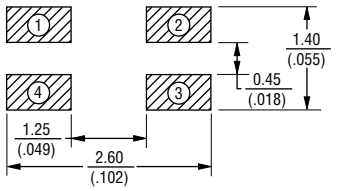


REFLOW TIMES: 3 MAX.

Schematic



Recommended Layout



DIMENSIONS: MM / (INCHES)

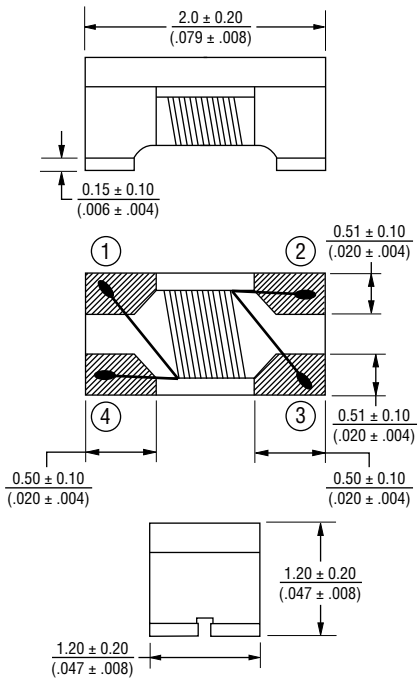
General Specifications

Rated Voltage ..... 50 VDC
Withstanding Voltage ..... 125 VDC
Insulation Resistance
.....10 MΩ (Min.) @ 100 VDC
Operating Temperature
.....-55 °C to +125 °C
(Temperature rise included)
Storage Temperature
.....-55 °C to +125 °C
Temperature Rise .....20 °C at rated Irms

Materials

Core.....Ferrite
Wire .....Enameled copper
Terminal Finish .....Sn
Packaging..... 2000 pcs. per 7-inch reel

Product Dimensions



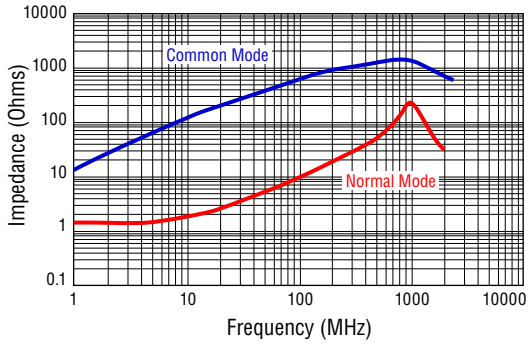
DIMENSIONS: MM / (INCHES)

WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

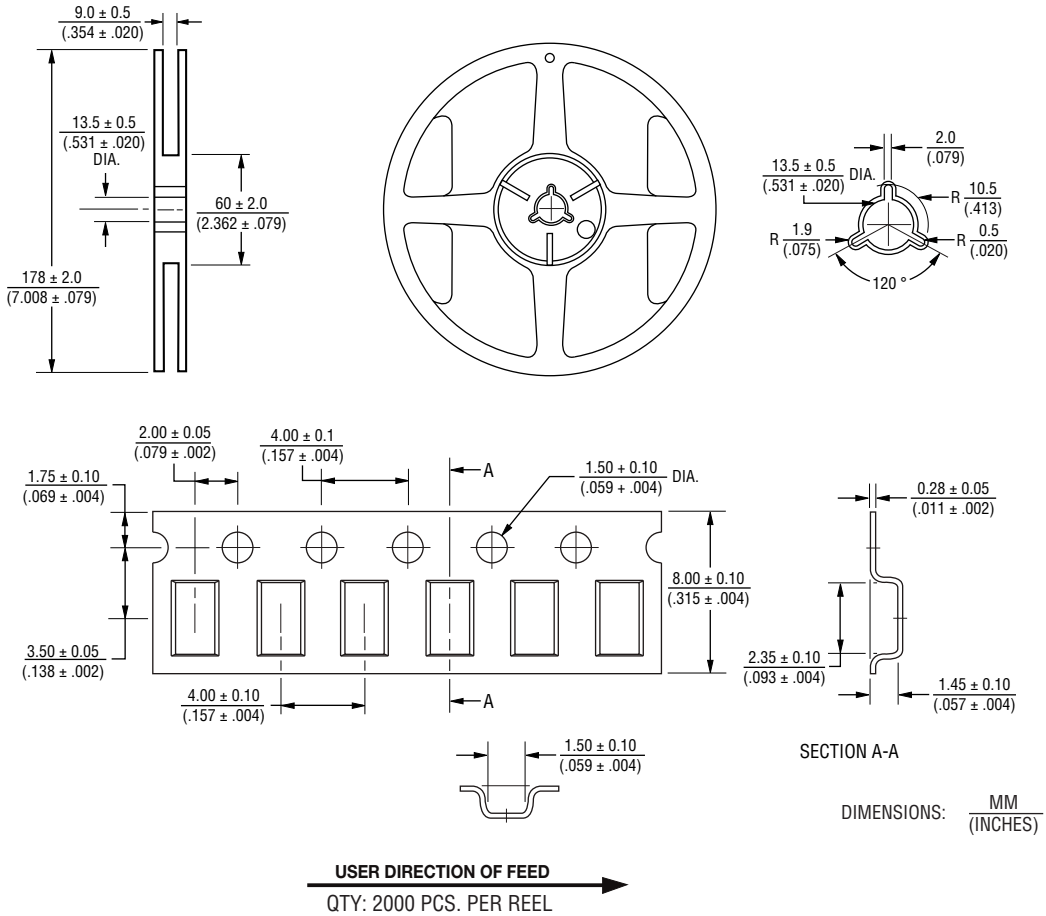
* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

Specifications are subject to change without notice.
Users should verify actual device performance in their specific applications.
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Typical Impedance vs. Frequency Curves



Packaging Specifications



REV. 02/19

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Users should verify actual device performance in their specific applications.
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